

## South Sound Science Symposium Poster Presentations

A 59 YEAR RECORD OF ENVIRONMENTAL STREAMFLOWS IN THE DESCHUTES RIVER
John Konovsky – Squaxin Island Tribe

2. SOUTH SOUND DATA FROM THE TRIBAL CANOE JOURNEY

John Konovsky - Squaxin Island Tribe

 IDENTIFICATION OF HEAVY RAINFALL PATTERNS FROM PEAK FLOOD FLOW RESPONSE IN SMALL THURSTON COUNTY STREAMS

Nadine Romero and Mark Biever - Thurston County

USING MODELS TO COMPARE AND PRIORITIZE ACTIONS IN PUGET SOUND-WHO'S MODELING WHAT AND WHY?

Anise Ahmed<sup>1</sup>, Skip Albertson<sup>1</sup>, Bohyun Bahng<sup>2</sup>, Ben Cope<sup>3</sup>, Mitsuhiro Kawase<sup>2</sup>, Tarang Khangaonkar<sup>4</sup>, Greg Pelletier<sup>1</sup>, Mindy Roberts<sup>1</sup>, Brandon Sackmann<sup>1</sup>, and Zhaoqing Yang<sup>4</sup>

<sup>1</sup>Washington State Department of Ecology, <sup>2</sup>University of Washington, <sup>3</sup>US Environmental Protection Agency, <sup>4</sup>Pacific Northwest Laboratories

 POINT DEFIANCE TO NISQUALLY RIVER DELTA HISTORIC SEDIMENT SOURCE MAPPING – AN APPROACH TO IDENTIFY AND PRIORITIZE PROCESS-BASED RESTORATION OPPORTUNITIES IN THE PUGET SOUND REGION

Andrea MacLennan, Jim Johannessen, and Stephanie Williams - Coastal Geologic Services

6. QUARTERMASTER HARBOR WATER PROPERTIES

Benjamin Shetterly and Cheryl Greengrove - University of Washington, Tacoma

7. MAINTAINING LENTIC-BREEDING AMPHIBIANS IN URBANIZING LANDSCAPES OF THE PUGET SOUND/GEORGIA BASIN ECOSYSTEM: DO CURRENT REGULATIONS PROTECT POND-BREEDING AMPHIBIANS?

Marc Hayes, Tim Quinn, and Joanne Schuett-Hames - Washington State Department of Fish and Wildlife

8. THE CONTRIBUTION OF WORKING FORESTS AND THE FORESTS AND FISH ADAPTIVE MANAGEMENT PROGRAM IN SUSTAINING ECOSYSTEMS FOR AMPHIBIAN ASSEMBLAGES IN THE PACIFIC NORTHWEST

Aimee McIntyre, Julie Tyson, Marc Hayes, Timothy Quinn, and Eric Lund - Washington State Department of Fish and Wildlife

9. FECAL COLIFORMS (FC) ON INTERTIDAL SEDIMENT CREATE SUMMER CRITICAL PERIODS FOR INDICATOR BACTERIA AROUND WESTERN WASHINGTON

John Konovsky<sup>1</sup>, Levi Keesecker<sup>1</sup>, and Anise Ahmed<sup>2</sup>

<sup>1</sup>Squaxin Island Tribe, <sup>2</sup>Washington State Department of Ecology

10. MOVEMENT PATTERNS OF COASTAL CUTTHROAT TROUT (*Oncorhynchus clarki clarki*) IN SOUTH PUGET SOUND, WASHINGTON 2006-2007

Sarah Haque<sup>1</sup> and Fred Goetz<sup>2</sup>

<sup>1</sup>Squaxin Island Tribe, <sup>2</sup>University of Washington

- 11. EFFECTS OF INTERTIDAL GEODUCK AQUACULTURE ON BENTHIC MOBILE FAUNA: PROPOSED RESEARCH

  Rana Brown The Evergreen State College
- 12. PRELIMINARY BENTHIC INFAUNAL DATA AT PROPOSED GEODUCK AQUACULTURE LOCATIONS THROUGHOUT THE PUGET SOUND, WASHINGTON

<u>Marlene Meaders</u>, <u>Jeffrey Fisher</u>, Scott Luchessa, Tim Sturtz, Karl Mueller, Greg Reub, and Matt Loxterman – ENVIRON International Corporation

13. HARBOR SEAL DIET: A TOOL TO MONITOR THE PUGET SOUND GEORGIA BASIN FOOD WEB

 $\underline{\text{Monique Lance}} \text{ and Steven Jeffries} - \text{Washington State Department of Fish and Wildlife}$ 

14. TORRENT SALAMANDER MOVEMENT ECOLOGY: PERSPECTIVE ON A "SEDENTARY" SPECIES

Julie Tyson and Marc Hayes - Washington State Department of Fish and Wildlife

15. QUANTITATIVE COUNTS OF Alexandrium catenella CYSTS, SEDIMENT ANALYSES, AND 210PB DATING DOWN CORE OF A LONG CORE FROM QUARTERMASTER HARBOR, PUGET SOUND, WASHINGTON

Julie Masura and James Postel - University of Washington

16. SOUNDTOXINS: A HARMFUL ALGAL BLOOM AND Vibrio MONITORING PROGRAM FOR PUGET SOUND

Keri Baugh, Nick Adams, Brian Bill, Rohinee Paranjpye, Jason Miller, Carla Stehr, and Vera Trainer - NOAA Fisheries

17. SEX-SPECIFIC IDENTIFICATION OF Ascaphus truei AT MATURITY

Frithiof Waterstrat<sup>1</sup>, April Barreca<sup>2</sup>, and Marc Hayes<sup>1</sup>

<sup>1</sup>Washington State Department of Fish and Wildlife, <sup>2</sup>Central Washington University

18. ESTIMATING INDIVIDUAL DETECTION PROBABILITY AND ABUNDANCE FOR STREAM-ASSOCIATED AMPHIBIANS USING MULTIPLE VISIT SURVEYS

Eric Lund, Aimee McIntyre, and Marc Hayes - Washington State Department of Fish and Wildlife

 PUGET SOUND SEABIRD SURVEY: EMPOWERING BIRDWATCHERS TO CONTRIBUTE NEEDED DATA ON WINTERING SEABIRDS

Adam Sedgley - Seattle Audubon

20. THE PRESENCE OF Alexandrium catenella IN RELATION TO ENVIRONMENTAL CONDITIONS IN QUARTERMASTER HARBOR, PUGET SOUND

Ashley Nepela, Cheryl Greengrove, and Julie Masura - University of Washington, Tacoma

21. MAPPING THE CONCENTRATION OF Alexandrium catenella CYSTS IN THE SURFACE SEDIMENTS OF QUARTERMASTER HARBOR

Mitchell Schatz, Julie Masura, and Cheryl Greengrove - University of Washington, Tacoma

22. THE EXTENT OF HATCHERY-ORIGIN FISH AMONG FALL CHINOOK SALMON (*Oncorhynchus tshawytscha*) OBSERVED IN SOUTH PUGET SOUND TRIBUTARY STREAMS

Kevin Kennedy<sup>1</sup>, Scott Steltzner<sup>2</sup>, and Amy Cook<sup>3</sup>

<sup>1</sup>Washington State Department of Ecology, <sup>2</sup>Squaxin Island Tribe, <sup>3</sup>The Evergreen State College

- 23. USING METALLOTHIONEINS IN BENTHIC MARINE WORMS AS BIOINDICATORS OF METAL TOXICITY IN PUGET SOUND Giovannina Souers and Jim Gawel University of Washington, Tacoma
- 24. TRACKING TREND IN FECAL POLLUTION IN SOUTH PUGET SOUND SHELLFISH GROWING AREAS

  <u>Tim Determan</u> Washington State Department of Health
- 25. MODELING DISSOLVED OXYGEN IN BUDD INLET AND CAPITOL LAKE

Mindy Roberts, Anise Ahmed, and Greg Pelletier - Washington State Department of Ecology

26. INDICATORS TO ASSESS BIODIVERSITY IN WASHINGTON STATE: A CONCEPTUAL FRAMEWORK LINKING HUMANS AND NATURAL RESOURCES

Steven Walters<sup>1</sup>, John Marzluff<sup>1</sup>, and Lynn Helbrecht<sup>2</sup>

<sup>1</sup>University of Washington, <sup>2</sup>Washington Biodiversity Council

27. CREATING A NEARSHORE SALMON HABITAT ASSESSMENT FOR COMMENCEMENT BAY AS AN UNDERGRADUATE SERVICE LEARNING EXPERIENCE

Bonnie Becker and Bridget Mason - University of Washington, Tacoma

- 28. THE SEDIMENT QUALITY TRIAD INDEX: AN INDICATOR FOR PUGET SOUND AND A BASELINE UPDATE (1997-2003)

  Margaret Dutch, Sandra Weakland, Edward Long, Kathy Welch, and Valerie Partridge Washington State Department of Ecology
- 29. THE IMPORTANCE OF SITE SELECTION AND TREATMENT INTENSITY FOR LARGE WOODY DEBRIS PROJECTS IN THE MASHEL RIVER, TRIBUTARY TO THE NISQUALLY RIVER (WASHINGTON, USA)

Florian Leischner<sup>1</sup>, Kimberlie Gridley<sup>2</sup>, and Chris Ellings<sup>1</sup>

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